

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{22}.2$ (no. 12)

$H = 2^3 : L_3(2) < 2^3 : L_3(2) \times 2$

rank: 10

degree: 660

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	7	7	42	42	112	112	168	168
$1a^-$	1	-1	-7	7	-42	42	-112	112	-168	168
$21a^+$	1	1	-4	-4	9	9	24	24	-30	-30
$21a^-$	1	-1	4	-4	-9	9	-24	24	30	-30
$55a^+$	1	1	4	4	9	9	-8	-8	-6	-6
$55a^-$	1	-1	-4	4	-9	9	8	-8	6	-6
$99a^+$	1	1	-3	-3	2	2	-8	-8	8	8
$99a^-$	1	-1	3	-3	-2	2	8	-8	-8	8
$154a^+$	1	1	1	1	-6	-6	4	4	0	0
$154a^-$	1	-1	-1	1	6	-6	-4	4	0	0

References

- [Höh01] I. Höhler. Vielfachheitsfreie Permutationsdarstellungen und die Invarianten zugehöriger Graphen. Examensarbeit, RWTH Aachen, 2001.